

## MOUNTABLE SPORT BOTTLE

The present invention relates to closed, portable, sport type bottles for selective dispensing of liquids and, more particularly, to such bottles which are capable of being positioned on a metal surface when not in 5 its dispensing mode.

### BACKGROUND OF THE INVENTION

#### *Field of the Invention*

Health advocates have uniformly been proponents of hydration as a means of maintaining one's health and vigor. For the very active, the 10 consumption of water and other fluids is a necessity, particularly in warmer climates.

The venerable water bucket was the staple at sporting events for years and is still a standby in the form of cups of liquid immediately available for replenishment of fluid needs of participants.

15 While cups are convenient for providing measured amounts of fluid, they are also susceptible to contamination by all manner of airborne foreign matter, including bugs and the like.

Moreover, cups in particular, but other vessels also, are typically shaped to be stackable in order that they can be nested with one another for 20 storage and transportation. In order to be stackable, or nestable, as the

case may be, the base of the vessel is often of lesser diameter than the upper dimension. As a result, such vessels become less stable when they are filled with a liquid and may be tipped, spilling its contents, more readily than is desirable in situations where there is activity in the immediate area.

5           In order to obviate many of the perceived deficiencies an industry has grown up around the manufacture of water bottles. Additionally, since many are intent on carrying bottles around with them, a satellite industry has sprung up to produce devices to carry such bottles, most such devices being in the form of a sling, or jacket, into which the  
10          bottle is received for transportation.

There are activities, however, where the capacity to position and support a sport bottle itself, sans accessory, is a distinct advantage, and it is to this segment of the consuming public that the present invention has significant utility.

15          *Overview of the Prior Art*

The market is replete with all sorts of bottle carriers for those who wish to carry water while hiking, biking, running, surf boarding and less rigorous activities. For those who want a supply of fluid within easy reach, but are more sedentary, the market provides an array of holders with hooks  
20          to fit in louvers of the ventilation system of a car, cups to hold cups or

bottles, and various other holders, among them the cup holder of Morgan patent number 5,873,486, which is little more than an insulated receptacle open at the top for receiving, and holding, a cup. Morgan discusses a number of ways that the cup holder can be supported in a car.

5                 Henry patent number 2,217,514 discloses a cup holder and, additionally, plates, beakers, bowls, ink wells, bottles and the like with a magnet in the base to hold it to a metal surface.

Faudi patent number 5,456,436 and Rogers patent number 6,193,202 BI both depict holders for drinking vessels, the holders being 10 equipped, such as by a magnet, to secure the holder to a metallic surface.

Finally, Wicker patent number 6,206,223 BI provides a can cooler receptacle, with no particular way of mounting it to any surface other than perhaps by friction, the base being of a foam material.

None of these patented structures are able to serve the purpose 15 for which the present invention was developed.

## **SUMMARY OF THE INVENTION**

The present invention is directed to that segment of society which uses, on a relatively regular basis, a riding mower or lawn tractor, golf cart, or an all terrain vehicle, as a personal tool, or a commercial vehicle as 20 part of their vocation. It is intended to, and does, provide to the user of

such vehicles, a means of keeping a fluid source close at hand during use, without resort to some sort of cage, or other holder accessory.

Accordingly, it is a principal objective of the present invention to provide, for use by those who use a personal or commercial vehicle as part of their avocation or vocation, a sport bottle which will removably attach, at any number of convenient locations on such a vehicle, as a ready supply of fluid to be ingested by the user at his or her need or whim.

It is another objective of the present invention to provide a reusable sport bottle containing an ingestable fluid which is removably positioned against any surface for ready access by a user.

An objective related to the foregoing, is to provide a reusable sport bottle which will adhere to a metal surface and support the bottle and its contents to such surface even as the surface is jostled or otherwise caused to assume unfavorable attitudes.

More specifically, it is an objective of the present invention to provide the operator of an open vehicle, such as a garden tractor or ATV, with a sport bottle which can be instantly adhered to a suitable portion of the vehicle within arms reach and to be able to remove the bottle for use at the instance of the operator and, thereafter, re adhered without distracting the operator from his or her effort.

The foregoing, as well as other objects and advantages of the present invention, will become apparent from a reading of the Detailed Description of a Preferred Embodiment, when taken in conjunction with the sheet of accompanying drawing wherein:

## 5      **DESCRIPTION OF THE FIGURES OF THE DRAWING**

FIG. 1 is a pictorial representation of an open air vehicle, such as a garden tractor, golf cart, or the like, illustrating a sport bottle as it would removably attach to various surfaces of such vehicle, which surfaces are in various different planes;

10        FIG. 2 is a perspective view of a sport bottle of the present invention, illustrating a preferred positioning of attachment devices to accomplish the purposes of the invention; and

15        FIG. 3 is a side elevation of the lower portion of the sport bottle of FIG. 2, fragmented and sectioned to further clarify the positioning of the attachment devices.

## **PREFERRED EMBODIMENT OF THE PRESENT INVENTION**

With reference now to the drawing, and initially to FIG. 1, a vehicle 10 is illustrated as exemplary of the type of vehicle, equipped as taught by the present invention, in which it has particular utility.

The closure device preferably includes a push/pull spout 32, also sometimes referred to as a pop top. Such a closure device is significant in that it protects the fluid in the sport bottle from contamination with foreign matter, e.g., dust and bugs, which is indigenous to the environment in which vehicles such as vehicle 10 often operate, while permitting the driver to open and close the sport bottle 21 while operating the vehicle without distraction from the task at hand.

In order that the sport bottle 21 be capable of being removably adhered to various surfaces of the vehicle 10, the sport bottle is equipped with attachment devices 34 and 36. While the precise positioning of the attachment devices may be considered a matter of design, it is within the scope of the invention that one such device, 34 be secured to the planer side wall 27 of the sport bottle 21, while the attachment device 36 is affixed to the bottom, or base, 25 of the bottle. By selecting these positions, which lie in transverse planes, the sport bottle 21 is capable of being removably adhered to varying surfaces of the vehicle 10.

It is within the contemplation of the invention that the attachment devices 34 and 36 be in the form of magnets. While the attachment device 34 is shown as a strip and attachment device 36 is shown as a disk, it is within the contemplation of the invention that a magnetic

ribbon, by way of example, could encircle the entire bottle, and other forms might also be used.

Magnets are preferred in that many of the vehicles which could use the present invention advantageously have ferro metallic surfaces to  
5 which a magnet would adhere with sufficient force to support the sport bottle  
21, full of fluid, in a variety of attitudes without causing the bottle to drop or become dislodged.

In the case of some golf carts, which have fiber glass surfaces, a strong velcro attachment would serve a utilitarian purpose.

10 Thus, it will be seen in FIG. 1 that a sport bottle 21(a) is readily adhered to a substantially vertical side panel within easy reach of the driver D, and another such bottle 21(b) is equally accessible when adhered to a rear portion of the fender 16. It will now be apparent to one skilled in the art that several other mounting locations are available, thereby graphically  
15 illustrating the versatility, as well as the utility, of the invention.

Having thus described a preferred embodiment of the present invention, what is claimed is: